ELSEVIER

Journal of Hydrology 186 (1996) 395

Journal of Hydrology

Contents

Research Papers

Criteria for the choice of flood-routing methods in natural channels
R. Moussa and C. Bocquillon 1
Isotopic tracing of the source water for Cedar Bog in west–central Ohio, USA
S. Cheng 31
Coupled surface–subsurface hydrologic model of a nuclear subsidence crater at the Nevada test site
G.M. Pohll, J.J. Warwick and S.W. Tyler 43
Presentation and review of some methods for regional flood frequency analysis
Groupe de recherche en hydrologie statistique (GREHYS) 63
Inter-comparison of regional flood frequency procedures for Canadian rivers
Groupe de recherche en hydrologie statistique (GREHYS) 85
Denitrification and mixing in a stream–aquifer system: effects on nitrate loading to surface water
P.B. McMahon and J.K. Böhlke 105
Shallow ground-water quality beneath a major urban center: Denver, Colorado, USA
B.W. Bruce and P.B. McMahon 129
Chloride mass-balance method for estimating ground water recharge in arid areas: examples from western Saudi Arabia
A.S. Bazuhair and W.W. Wood 153
An isotopic study of dissolved inorganic carbon in the catchment of the Waimakariri River and deep ground water of the North Canterbury Plains, New Zealand
C.B. Taylor and V.J. Fox 161
Hydrogeology of thin limestones: the Konza Prairie Long-Term Ecological Research Site, Northeastern Kansas
G.L. Macpherson 191
Precipitation, melt and runoff in the northern Tien Shan
V.B. Aizen, E.M. Aizen and J.M. Melack 229
Simulation of a century of runoff across the Tomales watershed, Marin County, California
D.T. Fischer, S.V. Smith and R.R. Churchill 253
The significance of particle aggregation in the overbank deposition of suspended sediment on river floodplains
A.P. Nicholas and D.E. Walling 275
Suspended sediment discharge from snowmelt: Ikushunbetsu River, Hokkaido, Japan
K.A. Chikita 295
Modelling variably saturated flow and solute transport into sandy soil
C.W. Li 315
Infiltration from surface ponds into soils overlying a very permeable substratum
E.G. Youngs, G. Spoor and G.R. Goodall 327
Modelling spatial patterns of throughfall and interception loss in a Norway spruce (*Picea abies*) plantation at the plot scale
M.J. Whelan and J.M. Anderson 335
Estimating peak nitrate concentrations from annual nitrate loads
D. Scholefield, E.I. Lord, H.J.E. Rodda and B. Webb 355
Evaluation of the use of soil ion exchange properties for predicting streamwater chemistry in upland catchments
M.F. Billett and M.S. Cresser 375